

What is claimed is:

1. A battery connector having:

a meandering contact member in which a plurality of plate piece portions are continuously integrated with one another through one or more arcuate flexible portions;

a mountain-like projection which is formed in one of said plate piece portions that is on one end side of said contact member, and in which a top is formed as a contact that is to be in elastic contact with a battery terminal;

a housing which houses said contact member;

an opening which is formed in said housing, and through which said mountain-like projection is projected;

an arcuate portion which is formed in said mountain-like projection to be bent toward an inner side of said mountain-like projection, and an engagement piece portion which is laterally projected from an end portion of said arcuate portion; and

an engagement face which is formed by a rear face of a peripheral portion of said opening, and with which said engagement piece portion is in elastic contact and engaged under a preload, whereby a degree of projection of said mountain-like projection from said opening is restricted, wherein

said battery connector further has a wall face of said housing that is to confront a board face of a circuit board

on which said housing is to be mounted, and that opposes said arcuate portion of said mountain-like projection, and

said engagement piece portion is displaced in a direction along which said board face of said circuit board and said wall face of said housing confront each other, to be in sliding contact with said engagement face, and has a shape which is free from an angular edge that, when said engagement piece portion is in sliding contact with said engagement face, shaves said engagement face.

2. A battery connector according to claim 1, wherein said engagement piece portion integrally has: a planar portion in which an edge of each of lateral sides is elongated in the confronting direction, and which is slidably contactable with said engagement face; and a projection piece which, in each of sides of a vertical width direction of said planar portion, is elongated through an arcuate bent portion in a direction away from said engagement face.

3. A battery connector according to claim 1, wherein said engagement piece portion integrally has: a planar portion; and a swollen portion which is formed on said planar portion, and which comprises an arcuate face that is to butt against said engagement face to hold said planar portion to a position separated from said engagement face.

4. A battery connector according to claim 1, wherein, in said housing, a portion that is opposed to a wall face

of said housing to which said arcuate portion of said mountain-like projection is opposed is formed as an aperture, and said aperture is closed by said circuit board on which said housing is to be placed.

5           5. A battery connector according to claim 4, wherein said housing has: a surrounding wall having said opening; a supporting wall which is opposed to said surrounding wall; and a covering wall which extends between upper ends of said surrounding wall and said supporting wall, one of said  
10 plate pieces that is on another end side of said contact member is placed to overlap with said supporting wall, and one of flexural portions which is continuously integrated with said plate piece portion of the other end side is fitted into a recess formed in said covering wall.

15           6. A battery connector according to claim 5, wherein a lower half of said surrounding wall is forward projected, and a reinforcing wall which closes a lower portion of said opening is formed integrally on said projected portion.

20           7. A battery connector according to claim 6, wherein said reinforcing wall is disposed in each of right and left or two places of said projected portion, and a reinforcement terminal which reinforces said housing is placed in a recess between said reinforcing walls.